ภาคผนวก ค

ใบรับรองผลการวิเคราะห์

คุณภาพอากาศในบรรยากาศ

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2552523
Date Received : Jul 23, 2025
Date Reported : Aug 05, 2025
Report Number : 3322032-1

Sample Number 2552523-1
Sampled Date Jul 22, 2025
Sample Description Air Quality
Location พื้นที่โรงงาน
Date Analysis Commenced Jul 24, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	22/07/25 - 23/07/25	ppm	-	0.10	0.22	NIOSH (2003), 1500	Bangkok

Sampled By : Sawai Tonpho

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2552523
Date Received : Jul 23, 2025
Date Reported : Aug 05, 2025
Report Number : 3322032-1

Sample Number 2552523-2
Sampled Date Jul 22, 2025
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม
Date Analysis Commenced Jul 24, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	22/07/25 - 23/07/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sawai Tonpho

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2552523
Date Received : Jul 23, 2025
Date Reported : Aug 05, 2025
Report Number : 3322032-1

Sample Number	2552523-3
Sampled Date	Jul 22, 2025
Sample Description	Air Quality
Location	โรงเรียนบ้านมาบตาพุด (โสภณราษฎร์บูรณะ)
Date Analysis Commenced	Jul 24, 2025
Condition of Sample	Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure	754 mmHg
Atmospheric Temperature	29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	22/07/25 - 23/07/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	22/07/25 - 23/07/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Chcek_
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2563102
Date Received : Aug 14, 2025
Date Reported : Aug 25, 2025
Report Number : 3348938-1

Sample Number	2563102-1
Sampled Date	Aug 13, 2025
Sample Description	Air Quality
Location	พื้นที่โรงงาน
Date Analysis Commenced	Aug 15, 2025
Condition of Sample	Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	30.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	13/08/25 - 14/08/25	ppm	-	0.10	0.30	NIOSH (2003), 1500	Bangkok

Sampled By : Jaradrawee Sriruksa

Remark :

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Approved by [redacted]
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Chcek_
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2563102
Date Received : Aug 14, 2025
Date Reported : Aug 25, 2025
Report Number : 3348938-1

Sample Number 2563102-2
Sampled Date Aug 13, 2025
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม
Date Analysis Commenced Aug 15, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	13/08/25 - 14/08/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Jaradrawee Sriruksa

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Chcek_
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2563102
Date Received : Aug 14, 2025
Date Reported : Aug 25, 2025
Report Number : 3348938-1

Sample Number 2563102-3
Sampled Date Aug 13, 2025
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โสภณราษฎร์บูรณะ)
Date Analysis Commenced Aug 15, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	13/08/25 - 14/08/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	13/08/25 - 14/08/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Jaradrawee Sriruksa

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2574509
Date Received : Sep 11, 2025
Date Reported : Sep 23, 2025
Report Number : 3377789-1

Sample Number 2574509-1
Sampled Date Sep 10, 2025
Sample Description Air Quality
Location พื้นที่โรงงาน
Date Analysis Commenced Sep 12, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	10/09/25 - 11/09/25	ppm	-	0.10	0.22	NIOSH (2003), 1500	Bangkok

Sampled By : Sathapron Thakarw

Remark :

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Approved by [redacted]
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2574509
Date Received : Sep 11, 2025
Date Reported : Sep 23, 2025
Report Number : 3377789-1

Sample Number 2574509-2
Sampled Date Sep 10, 2025
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม
Date Analysis Commenced Sep 12, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	10/09/25 - 11/09/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sathapron Thakarw

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2574509
Date Received : Sep 11, 2025
Date Reported : Sep 23, 2025
Report Number : 3377789-1

Sample Number 2574509-3
Sampled Date Sep 10, 2025
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โสภณราษฎร์บูรณะ)
Date Analysis Commenced Sep 12, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 30.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	10/09/25 - 11/09/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	10/09/25 - 11/09/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sathapron Thakarw

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2583072
Date Received : Oct 17, 2025
Date Reported : Oct 30, 2025
Report Number : 3396823-1

Sample Number 2583072-1
Sampled Date Oct 16, 2025
Sample Description Air Quality
Location พื้นที่โรงงาน
Date Analysis Commenced Oct 18, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 752 mmHg
Atmospheric Temperature 31.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	16/10/25 - 17/10/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Scientist (3)

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Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2583072
Date Received : Oct 17, 2025
Date Reported : Oct 30, 2025
Report Number : 3396823-1

Sample Number 2583072-2
Sampled Date Oct 16, 2025
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม
Date Analysis Commenced Oct 18, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 752 mmHg
Atmospheric Temperature 31.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	16/10/25 - 17/10/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2583072
Date Received : Oct 17, 2025
Date Reported : Oct 30, 2025
Report Number : 3396823-1

Sample Number 2583072-3
Sampled Date Oct 16, 2025
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โสภณราษฎร์บูรณะ)
Date Analysis Commenced Oct 18, 2025
Condition of Sample Drawn into one 25-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 752 mmHg
Atmospheric Temperature 31.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	16/10/25 - 17/10/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	16/10/25 - 17/10/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589679
Date Received : Nov 18, 2025
Date Reported : Nov 28, 2025
Report Number : 3412737-1

Sample Number 2589679-1
Sampled Date Nov 17, 2025
Sample Description Air Quality
Location พื้นที่โรงงาน
Date Analysis Commenced Nov 20, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	17/11/25 - 18/11/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Approved by [redacted]
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589679
Date Received : Nov 18, 2025
Date Reported : Nov 28, 2025
Report Number : 3412737-1

Sample Number 2589679-2
Sampled Date Nov 17, 2025
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม
Date Analysis Commenced Nov 20, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	17/11/25 - 18/11/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sawai Tonpho

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
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8207-81/ EMAIL S:\Reports_Air_Working_NGL.rpt (2:24PM)

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589679
Date Received : Nov 18, 2025
Date Reported : Nov 28, 2025
Report Number : 3412737-1

Sample Number 2589679-3
Sampled Date Nov 17, 2025
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โสภณราษฎร์บูรณะ)
Date Analysis Commenced Nov 20, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	17/11/25 - 18/11/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	17/11/25 - 18/11/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Sawai Tonpho

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 25101684
Date Received : Dec 17, 2025
Date Reported : Dec 29, 2025
Report Number : 3442123-1

Sample Number 25101684-1
Sampled Date Dec 16, 2025
Sample Description Air Quality
Location พื้นที่โรงงาน
Date Analysis Commenced Dec 18, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 29.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	16/12/25 - 17/12/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Tarin Octjinda

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 25101684
Date Received : Dec 17, 2025
Date Reported : Dec 29, 2025
Report Number : 3442123-1

Sample Number 25101684-2
Sampled Date Dec 16, 2025
Sample Description Air Quality
Location วัดหนองแฟบทักษิณาราม
Date Analysis Commenced Dec 18, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 29.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	16/12/25 - 17/12/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Tarin Octjinda

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 25101684
Date Received : Dec 17, 2025
Date Reported : Dec 29, 2025
Report Number : 3442123-1

Sample Number 25101684-3
Sampled Date Dec 16, 2025
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โสภณราษฎร์บูรณะ)
Date Analysis Commenced Dec 18, 2025
Condition of Sample Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 29.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
1-Butene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
1-Hexene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok
Ethylene	16/12/25 - 17/12/25	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
n-Hexane	16/12/25 - 17/12/25	ppm	-	0.10	<0.10	NIOSH (2003), 1500	Bangkok

Sampled By : Tarin Octjinda

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2553144
Date Received :Jul 23, 2025
Date Reported :Jul 30, 2025
Report Number :3322034-1

P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Sample Number 2553144-1
Parameter Wind Speed / Wind Direction
Location พื้นที่โรงงาน
Sampling Date Jul 22 - Jul 23, 2025
Sampling by Sawai Tonpho

Time	Jul 22 - Jul 23, 2025			-			-			-			-			-			-		
	WS (m/s)	WD (deg)		-	-		-	-		-	-		-	-		-	-		-	-	
10:00 AM - 11:00 AM	2.1	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	3.4	158.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.4	210.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.8	160.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.6	242.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.9	155.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	4.2	124.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	3.2	182.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	3.3	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	3.9	180.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.5	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	2.0	191.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	2.6	234.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.3	151.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.3	173.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	2.2	171.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.2	178.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.6	158.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	2.3	165.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	3.8	155.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.6	164.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	4.3	130.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.2	163.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.5	174.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

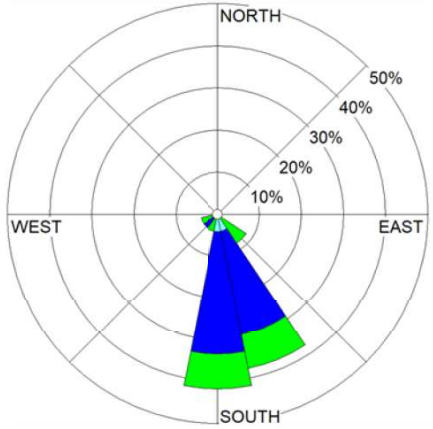
Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2553144
Date Received :Jul 23, 2025
Date Reported :Jul 30, 2025
Report Number :3322034-1

P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Wind Rose



Date : Jul 22-23, 2025

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	33.33
	1.7-3.3	58.33
	0.3-1.7	8.33
	Calms	0.00

Location : พื้นที่โรงงาน

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Approved by [redacted]
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2563105
Date Received :Aug 14, 2025
Date Reported :Aug 19, 2025
Report Number :3348941-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Sample Number 2563105-1
Parameter Wind Speed / Wind Direction
Location พื้นที่โรงงาน
Sampling Date Aug 13 - Aug 14, 2025
Sampling by Jaradrawee Sriruksa

Time	Aug 13 - Aug 14, 2025			-			-			-			-			-			-			-		
	WS (m/s)	WD (deg)		-	-		-	-		-	-		-	-		-	-		-	-		-	-	
01:00 PM - 02:00 PM	3.7	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.5	230.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	4.8	183.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.6	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.8	183.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.6	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.3	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.7	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	3.0	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	3.3	207.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.1	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.4	238.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.6	39.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.4	74.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.1	183.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	3.4	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	2.1	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.1	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.9	155.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.3	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.1	341.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	194.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.7	215.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by [redacted]
Assistant General Manager

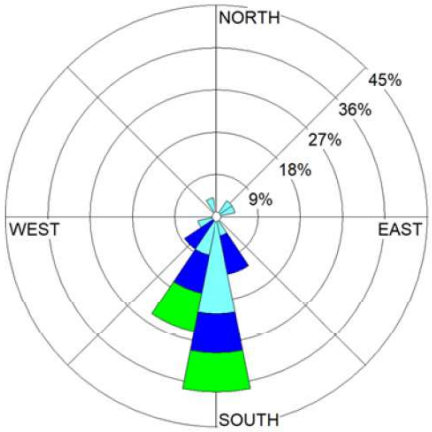
Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2563105
Date Received :Aug 14, 2025
Date Reported :Aug 19, 2025
Report Number :3348941-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Wind Rose



Date : Aug 13-14, 2025

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	16.67
	1.7-3.3	33.33
	0.3-1.7	50.00
	Calms	0.00

Location : พื้นที่โรงงาน

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Approved by [redacted]
Assistant General Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2574512
Date Received : Sep 11, 2025
Date Reported : Sep 15, 2025
Report Number :3377794-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Sample Number 2574512-1
Parameter Wind Speed / Wind Direction
Location พื้นที่โรงงาน
Sampling Date Sep 10 - Sep 11, 2025
Sampling by Sathapron Thakarw

Time	Sep 10 - Sep 11, 2025			-			-			-			-			-			-			-		
	WS (m/s)	WD (deg)		-	-		-	-		-	-		-	-		-	-		-	-		-	-	
11:00 AM - 12:00 PM	3.0	224.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.5	235.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.9	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.5	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	3.9	225.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.3	202.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.5	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.8	178.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	2.0	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	3.3	207.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.7	172.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.7	170.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.7	211.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.1	187.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	2.9	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	2.4	196.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.1	264.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	194.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.6	36.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.1	10.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.5	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.8	181.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.0	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

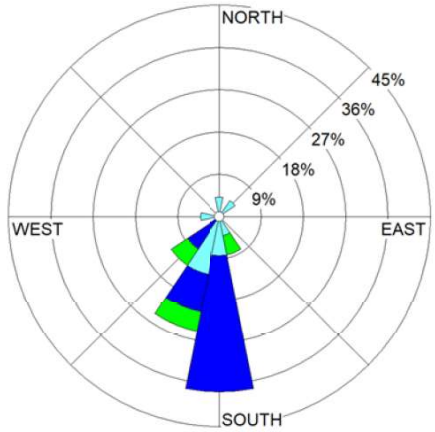
Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2574512
Date Received : Sep 11, 2025
Date Reported : Sep 15, 2025
Report Number :3377794-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Wind Rose



Date : Sep 10-11, 2025

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	12.50
	1.7-3.3	45.83
	0.3-1.7	37.50
	Calms	4.17

Location : พื้นที่โรงงาน

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Approved by [redacted]
Assistant General Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2583074
Date Received :Oct 17, 2025
Date Reported :Oct 24, 2025
Report Number :3396826-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Sample Number 2583074-1
Parameter Wind Speed / Wind Direction
Location พื้นที่โรงงาน
Sampling Date Oct 16 - Oct 17, 2025
Sampling by Siriwit Ruangsom

Time	Oct 16 - Oct 17, 2025			-			-			-			-			-			-			-		
	WS (m/s)	WD (deg)		-	-		-	-		-	-		-	-		-	-		-	-		-	-	
10:00 AM - 11:00 AM	1.2	133.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.5	119.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.8	56.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.7	160.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.8	97.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.4	142.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.7	211.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.9	198.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.6	196.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.4	223.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.3	223.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.6	178.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.8	82.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.0	52.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.0	73.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.3	118.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.2	143.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.7	129.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.7	74.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.4	86.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.8	124.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.9	121.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

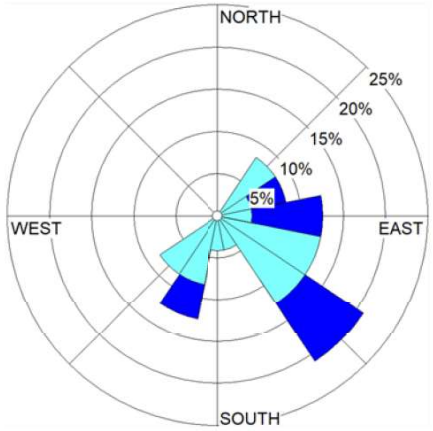
Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2583074
Date Received :Oct 17, 2025
Date Reported :Oct 24, 2025
Report Number :3396826-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Wind Rose



Date : Oct 16-17, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	25.00
0.3-1.7	66.67
Calms	8.33

Location : พื้นที่โรงงาน

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Assistant General Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2589682
Date Received :Nov 18, 2025
Date Reported :Nov 26, 2025
Report Number :3412740-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Sample Number 2589682-1
Parameter Wind Speed / Wind Direction
Location พื้นที่โรงงาน
Sampling Date Nov 17 - Nov 18, 2025
Sampling by Sawai Tonpho

Time	Nov 17 - Nov 18, 2025			-			-			-			-			-			-		
	WS (m/s)	WD (deg)		-	-		-	-		-	-		-	-		-	-		-	-	
11:00 AM - 12:00 PM	0.5	94.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.2	332.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.3	355.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.3	325.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.7	336.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.2	320.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.2	337.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.7	326.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.3	349.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.8	0.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	2.7	310.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.6	0.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.3	341.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.9	355.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	3.2	342.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.9	297.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.9	314.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	2.0	316.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.0	329.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.5	300.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.3	358.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.0	315.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.6	323.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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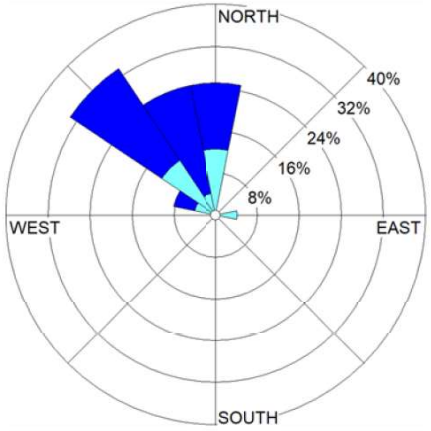
Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 2589682
Date Received :Nov 18, 2025
Date Reported :Nov 26, 2025
Report Number :3412740-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Wind Rose



Date : Nov 17-18, 2025

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	0.00
	1.7-3.3	58.33
	0.3-1.7	37.50
	Calms	4.17

Location : พื้นที่โรงงาน

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Assistant General Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 25101686
Date Received :Dec 17, 2025
Date Reported :Dec 22, 2025
Report Number :3442125-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Sample Number 25101686-1
Parameter Wind Speed / Wind Direction
Location พื้นที่โรงงาน
Sampling Date Dec 16 - Dec 17, 2025
Sampling by Tarin Octjinda

Time	Dec 16 - Dec 17, 2025			-			-			-			-			-			-		
	WS (m/s)	WD (deg)		-	-		-	-		-	-		-	-		-	-		-	-	
01:00 PM - 02:00 PM	2.0	140.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.6	122.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.4	139.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.9	60.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.3	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	2.0	55.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.9	355.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.5	52.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	3.1	344.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	2.3	353.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	2.8	350.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	2.0	346.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	2.1	65.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.9	32.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.6	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.2	206.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.7	33.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.0	165.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.8	212.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.8	60.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.5	26.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

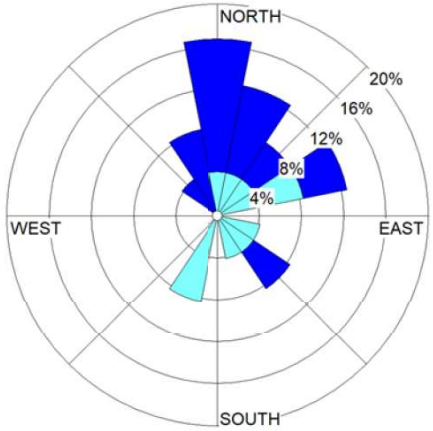
Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

Lot ID: 25101686
Date Received :Dec 17, 2025
Date Reported :Dec 22, 2025
Report Number :3442125-1

P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Wind Rose



Date : Dec 16-17, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	45.83
0.3-1.7	41.67
Calms	12.50

Location : พื้นที่โรงงาน

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by [redacted]
Assistant General Manager

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คุณภาพน้ำทิ้ง

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2553146
Date Received : Jul 21, 2025
Date Reported : Jul 29, 2025
Report Number : 3322039-1

Sample Number	2553146-1
Sampled Date	Jul 21, 2025 9:45 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Jul 21, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.1	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	39.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1750	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2553146
Date Received : Jul 21, 2025
Date Reported : Jul 29, 2025
Report Number : 3322039-1

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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8207-81/ EMAIL S:\Reports_All_GL.rpt (10:33AM)

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2553146
Date Received : Jul 21, 2025
Date Reported : Jul 29, 2025
Report Number : 3322039-2

Sample Number	2553146-1
Sampled Date	Jul 21, 2025 9:45 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Jul 21, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Check_
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2563117
Date Received : Aug 07, 2025
Date Reported : Aug 16, 2025
Report Number : 3348950-1

Sample Number	2563117-1
Sampled Date	Aug 07, 2025 9:28 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Aug 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	38.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	870	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	:4	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management [redacted]
Scientist (2)
ทะเบียนเลขที่ ว-323-จ-0004

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Check_
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2563117
Date Received : Aug 07, 2025
Date Reported : Aug 16, 2025
Report Number : 3348950-1

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (2)
ทะเบียนเลขที่ ว-323-จ-0004

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Check_
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2563117
Date Received : Aug 07, 2025
Date Reported : Aug 16, 2025
Report Number : 3348950-2

Sample Number	2563117-1
Sampled Date	Aug 07, 2025 9:28 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Aug 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Scientist (2)

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2574514
Date Received : Sep 04, 2025
Date Reported : Sep 11, 2025
Report Number : 3377795-1

Sample Number	2574514-1
Sampled Date	Sep 04, 2025 9:34 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Sep 04, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.4	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	43	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	38.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2020	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2574514
Date Received : Sep 04, 2025
Date Reported : Sep 11, 2025
Report Number : 3377795-1

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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8207-81/ EMAIL S:\Reports_All_GL.rpt (7:10PM)

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2574514
Date Received : Sep 04, 2025
Date Reported : Sep 11, 2025
Report Number : 3377795-2

Sample Number	2574514-1
Sampled Date	Sep 04, 2025 9:34 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Sep 04, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by [redacted]
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2583143
Date Received : Oct 09, 2025
Date Reported : Oct 17, 2025
Report Number : 3396851-1

Sample Number	2583143-1
Sampled Date	Oct 09, 2025 2:12 PM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Oct 09, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
Temperature *	Degree C	-	-	29.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	338	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2583143
Date Received : Oct 09, 2025
Date Reported : Oct 17, 2025
Report Number : 3396851-1

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2583143
Date Received : Oct 09, 2025
Date Reported : Oct 17, 2025
Report Number : 3396851-3

Sample Number	2583143-1
Sampled Date	Oct 09, 2025 2:12 PM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อกักเก็บหลังการบำบัด
Date Analysis Commenced	Oct 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2597675
Date Received : Oct 30, 2025
Date Reported : Nov 01, 2025
Report Number : 3432367-1

Sample Number	2597675-1
Sampled Date	Oct 30, 2025 11:25 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2589698
Date Received : Nov 06, 2025
Date Reported : Nov 13, 2025
Report Number : 3412764-1

Sample Number	2589698-1
Sampled Date	Nov 06, 2025 2:13 PM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	27.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	226	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2589698
Date Received : Nov 06, 2025
Date Reported : Nov 13, 2025
Report Number : 3412764-1

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-0041

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 2589698
Date Received : Nov 06, 2025
Date Reported : Nov 15, 2025
Report Number : 3412764-2

Sample Number	2589698-1
Sampled Date	Nov 06, 2025 2:13 PM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 25101687
Date Received : Dec 08, 2025
Date Reported : Dec 16, 2025
Report Number : 3442133-1

Sample Number	25101687-1
Sampled Date	Dec 08, 2025 9:35 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Dec 08, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	7	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	26.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	250	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: HDPE2

Lot ID: 25101687
Date Received : Dec 08, 2025
Date Reported : Dec 16, 2025
Report Number : 3442133-1

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management [redacted]
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by [redacted]
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 25101687
Date Received : Dec 08, 2025
Date Reported : Dec 16, 2025
Report Number : 3442133-2

Sample Number	25101687-1
Sampled Date	Dec 08, 2025 9:35 AM
Sample Description	Wastewater
Location	HD2 : API Separator บ่อดักเก็บหลังการบำบัด
Date Analysis Commenced	Dec 08, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Nattawut Athomprommarat

Remark :
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Scientist (4)

คุณภาพน้ำใต้ดิน

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: TPE Site 3

Lot ID: 2583120
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3444602-2

Sample Number	2583120-1
Sampled Date	Oct 30, 2025 11:10 AM
Sample Description	Groundwater
Location	บ่อสังเกตการณ์ 1 MW1 : HDPE2
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Specialist 2

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: TPE Site 3

Lot ID: 2583120
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3444603-2

Sample Number	2583120-2
Sampled Date	Oct 30, 2025 10:10 AM
Sample Description	Groundwater
Location	บ่อสังเกตการณ์ 2 MW2 : HDPE3
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Specialist 2

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: TPE Site 3

Lot ID: 2583120
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3444604-2

Sample Number	2583120-3
Sampled Date	Oct 30, 2025 11:30 AM
Sample Description	Groundwater
Location	บ่อสังเกตการณ์ 3 MW3 : HDPE2
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by [redacted]
Nanthawadee Somboon
Specialist 2

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location: TPE Site 3

Lot ID: 2583120
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3444605-2

Sample Number	2583120-4
Sampled Date	Oct 30, 2025 10:35 AM
Sample Description	Groundwater
Location	บ่อสังเกตการณ์ 4 MW4 : HDPE3
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Contained in two amber glass bottles, two glass vials and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/L	-	0.001	<0.001	11	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	United States Environmental Protection Agency, EPA Method 3510 C and 8015 C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Specialist 2

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คุณภาพดิน

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445118-1

Sample Number	2583111-1
Sampled Date	Oct 30, 2025 10:55 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 1 MW1 : HDPE2
Date Analysis Commenced	Oct 31, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	8.6	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Note : 1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management [redacted]
Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by [redacted]
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445118-2

Sample Number	2583111-1
Sampled Date	Oct 30, 2025 10:55 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 1 MW1 : HDPE2
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	8.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Specialist 2

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Life Sciences www.alsglobal.com
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445119-1

Sample Number	2583111-2
Sampled Date	Oct 30, 2025 10:00 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 2 MW2 : HDPE3
Date Analysis Commenced	Oct 31, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	7.9	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Note : 1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management [redacted]
Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by [redacted]
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445119-2

Sample Number	2583111-2
Sampled Date	Oct 30, 2025 10:00 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 2 MW2 : HDPE3
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	14.4	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Nanthawadee Somboon
Specialist 2

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445120-1

Sample Number	2583111-3
Sampled Date	Oct 30, 2025 11:30 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 3 MW3 : HDPE2
Date Analysis Commenced	Oct 31, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	8.5	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Note : 1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management [redacted]
Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by [redacted]
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445120-2

Sample Number	2583111-3
Sampled Date	Oct 30, 2025 11:30 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 3 MW3 : HDPE2
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	7.8	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Specialist 2

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445121-1

Sample Number	2583111-4
Sampled Date	Oct 30, 2025 10:30 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 4 MW4 : HDPE3
Date Analysis Commenced	Oct 31, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
n-Hexane	mg/kg	-	0.2	<0.2	1000	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Petroleum Hydrocarbons							
TPH C>16-C35	mg/kg	-	0.5	<0.5	8.0	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C>8-C16	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 3541 and 8015 C	Bangkok
TPH C5-C8	mg/kg	-	0.5	<0.5	25	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	8.2	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Note : 1. Analysis Results expressed on dry basis
2. TPH C5-C8 : Sum of n-Pentane, n-Hexane, n-Heptane and n-Octane
TPH C>8-C16 : Sum of n-Nonane, n-Decane, n-Undecane, n-Dodecane, n-Tridecane, n-Tetradecane, n-Pentadecane and n-Hexadecane
TPH C>16-C35 : Sum of n-Heptadecane, Pristane, n-Octadecane, Phytane, n-Nonadecane, n-Eicosane, n-Heneicosane, n-Docosane, n-Tricosane, n-Tetracosane, n-Pentacosane, n-Hexacosane, n-Heptacosane, n-Octacosane, n-Nonacosane, n-Triacontane, n-Hentriacontane, n-Dotriacontane, n-Tritriacontane, n-Tetratriacontane and n-Pentatriacontane
Integration mode: Peak to Peak

Sampling By : Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management [redacted]
Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-จ-0010

Approved by [redacted]
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location:

Lot ID: 2583111
Date Received : Oct 30, 2025
Date Reported : Nov 07, 2025
Report Number : 3445121-2

Sample Number	2583111-4
Sampled Date	Oct 30, 2025 10:30 AM
Sample Description	Soil
Location	บ่อสังเกตการณ์ 4 MW4 : HDPE3
Date Analysis Commenced	Nov 01, 2025
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Physical Parameters							
Moisture	%	-	0.1	11.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by [redacted]
Nanthawadee Somboon
Specialist 2

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ระดับเสียงเฉลี่ย 24 ชั่วโมง

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456447-1

Sample Number	2589683-1
Parameter	Noise (Leq 24 hrs.)
Location	โรงเรียนวัดมาบตาพุด (โสภณราษฎร์บูรณะ) (GPS 47P 0735353, 1406703)
Measurement Date	Nov 11 - Nov 12, 2025
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	63.8	84.4	55.6
01:00 PM - 02:00 PM	63.9	81.7	54.3
02:00 PM - 03:00 PM	65.0	83.7	58.2
03:00 PM - 04:00 PM	64.0	82.9	54.5
04:00 PM - 05:00 PM	61.9	79.3	53.5
05:00 PM - 06:00 PM	68.1	84.0	52.9
06:00 PM - 07:00 PM	59.4	76.3	42.5
07:00 PM - 08:00 PM	49.1	68.5	44.2
08:00 PM - 09:00 PM	48.1	65.4	43.7
09:00 PM - 10:00 PM	46.8	64.5	41.2
10:00 PM - 11:00 PM	45.7	66.9	40.7
11:00 PM - 12:00 AM	44.5	64.0	40.6
12:00 AM - 01:00 AM	43.7	50.3	40.7
01:00 AM - 02:00 AM	47.1	74.8	42.1
02:00 AM - 03:00 AM	45.3	70.2	40.5
03:00 AM - 04:00 AM	44.0	60.5	40.3
04:00 AM - 05:00 AM	44.3	67.5	39.8
05:00 AM - 06:00 AM	50.0	68.3	43.7
06:00 AM - 07:00 AM	59.3	82.4	49.9
07:00 AM - 08:00 AM	68.2	85.8	57.5
08:00 AM - 09:00 AM	67.9	85.5	54.5
09:00 AM - 10:00 AM	66.9	88.1	54.8
10:00 AM - 11:00 AM	67.9	86.1	61.3
11:00 AM - 12:00 PM	69.4	86.9	60.2
Leq Average 24 hrs. (dB(A))	63.5		
Lmax (dB(A))		88.1	
L90 (dB(A))			44.2
Ldn (dB(A))	64.3		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Chonticha Subongkoch
Scientist (3)

Approved by [redacted]
Supot Salamten
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456448-1

Sample Number	2589683-2
Parameter	Noise (Leq 24 hrs.)
Location	โรงเรียนวัดมาบตาพุด (โสภณราษฎร์บูรณะ) (GPS 47P 0735353, 1406703)
Measurement Date	Nov 12 - Nov 13, 2025
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	67.1	82.7	56.0
01:00 PM - 02:00 PM	66.9	89.9	58.0
02:00 PM - 03:00 PM	67.7	90.2	60.3
03:00 PM - 04:00 PM	63.7	83.8	53.3
04:00 PM - 05:00 PM	60.0	81.2	52.0
05:00 PM - 06:00 PM	60.7	77.9	55.4
06:00 PM - 07:00 PM	67.9	86.1	61.3
07:00 PM - 08:00 PM	51.8	72.4	43.3
08:00 PM - 09:00 PM	59.4	76.3	42.5
09:00 PM - 10:00 PM	53.3	75.3	40.8
10:00 PM - 11:00 PM	49.2	70.3	42.0
11:00 PM - 12:00 AM	48.1	72.3	40.7
12:00 AM - 01:00 AM	43.6	64.3	39.4
01:00 AM - 02:00 AM	44.0	58.4	40.9
02:00 AM - 03:00 AM	44.6	62.6	41.1
03:00 AM - 04:00 AM	43.6	64.4	40.9
04:00 AM - 05:00 AM	44.2	61.0	40.4
05:00 AM - 06:00 AM	50.3	66.7	44.5
06:00 AM - 07:00 AM	59.8	83.6	50.1
07:00 AM - 08:00 AM	62.6	83.7	57.9
08:00 AM - 09:00 AM	63.9	90.3	53.1
09:00 AM - 10:00 AM	64.4	88.2	51.4
10:00 AM - 11:00 AM	63.9	81.7	54.3
11:00 AM - 12:00 PM	67.2	88.8	58.6
Leq Average 24 hrs. (dB(A))	62.6		
Lmax (dB(A))		90.3	
L90 (dB(A))			50.1
Ldn (dB(A))	63.7		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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8207-81/ EMAIL
S:\Reports_Air Noise.rpt (3:18PM)

Analysis / Test Report

TESTING
No.0042

: Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

: Environmental Monitoring
: TPE Site 3

Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456449-1

2589683-3
Noise (Leq 24 hrs.)
( ) (GPS 47P 0735353, 1406703)
Nov 13 - Nov 14, 2025
Sawai Tonpho
Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	61.2	77.6	53.4
01:00 PM - 02:00 PM	62.3	76.7	57.8
02:00 PM - 03:00 PM	62.4	79.5	54.6
03:00 PM - 04:00 PM	64.6	86.8	54.6
04:00 PM - 05:00 PM	63.9	90.3	53.1
05:00 PM - 06:00 PM	65.0	78.0	52.7
06:00 PM - 07:00 PM	56.5	78.3	46.7
07:00 PM - 08:00 PM	50.5	72.4	43.7
08:00 PM - 09:00 PM	62.1	87.1	43.4
09:00 PM - 10:00 PM	62.1	80.3	46.1
10:00 PM - 11:00 PM	52.7	75.3	41.2
11:00 PM - 12:00 AM	44.5	63.4	39.7
12:00 AM - 01:00 AM	46.9	69.1	39.9
01:00 AM - 02:00 AM	45.9	64.4	40.9
02:00 AM - 03:00 AM	47.4	64.4	41.9
03:00 AM - 04:00 AM	44.6	57.9	39.2
04:00 AM - 05:00 AM	43.8	58.0	38.5
05:00 AM - 06:00 AM	50.3	68.0	43.2
06:00 AM - 07:00 AM	60.4	84.8	50.1
07:00 AM - 08:00 AM	61.2	77.6	53.4
08:00 AM - 09:00 AM	68.2	85.8	57.5
09:00 AM - 10:00 AM	63.8	87.6	55.9
10:00 AM - 11:00 AM	66.4	86.3	57.4
11:00 AM - 12:00 PM	66.6	83.7	59.8
Leq Average 24 hrs. (dB(A))	62.0		
Lmax (dB(A))		90.3	
L90 (dB(A))			46.7
Ldn (dB(A))	63.4		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. 15 (. . 2540)
2. . . 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

[redacted]
Chonticha Subongkoch
Scientist (3)

[redacted]
Supot Salamten
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456450-1

Sample Number 2589683-4
Parameter Noise (Leq 24 hrs.)
Location โรงเรียนวัดมาบตาพุด (โสภณเราษฎร์บูรณะ) (GPS 47P 0735353, 1406703)
Measurement Date Nov 14 - Nov 15, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	61.6	84.4	56.3
01:00 PM - 02:00 PM	60.7	77.9	55.4
02:00 PM - 03:00 PM	62.6	83.7	57.9
03:00 PM - 04:00 PM	63.9	90.3	53.1
04:00 PM - 05:00 PM	58.3	77.1	53.2
05:00 PM - 06:00 PM	54.1	74.9	48.3
06:00 PM - 07:00 PM	53.9	72.6	44.7
07:00 PM - 08:00 PM	49.4	71.5	43.5
08:00 PM - 09:00 PM	52.1	72.1	43.2
09:00 PM - 10:00 PM	52.4	74.0	41.5
10:00 PM - 11:00 PM	47.9	69.8	40.9
11:00 PM - 12:00 AM	44.6	63.4	39.6
12:00 AM - 01:00 AM	42.5	60.0	38.0
01:00 AM - 02:00 AM	40.7	58.2	35.9
02:00 AM - 03:00 AM	40.8	61.5	35.1
03:00 AM - 04:00 AM	41.4	64.6	35.7
04:00 AM - 05:00 AM	40.4	59.6	36.2
05:00 AM - 06:00 AM	45.6	72.3	39.9
06:00 AM - 07:00 AM	49.9	74.5	45.4
07:00 AM - 08:00 AM	51.5	75.2	46.6
08:00 AM - 09:00 AM	66.2	91.8	56.5
09:00 AM - 10:00 AM	62.1	80.3	46.1
10:00 AM - 11:00 AM	63.9	83.0	45.4
11:00 AM - 12:00 PM	58.3	77.1	53.2
Leq Average 24 hrs. (dB(A))	58.7		
Lmax (dB(A))		91.8	
L90 (dB(A))			44.7
Ldn (dB(A))	59.3		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456451-1

Sample Number 2589683-5
Parameter Noise (Leq 24 hrs.)
Location โรงเรียนวัดมาบตาพุด (โสภณเราษฎร์บูรณะ) (GPS 47P 0735353, 1406703)
Measurement Date Nov 15 - Nov 16, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	64.5	86.6	44.9
01:00 PM - 02:00 PM	48.5	64.9	42.0
02:00 PM - 03:00 PM	67.6	89.2	58.1
03:00 PM - 04:00 PM	69.1	84.0	50.9
04:00 PM - 05:00 PM	60.6	79.4	45.3
05:00 PM - 06:00 PM	69.0	85.9	45.5
06:00 PM - 07:00 PM	50.2	64.6	45.8
07:00 PM - 08:00 PM	51.3	73.1	45.4
08:00 PM - 09:00 PM	49.5	65.2	45.7
09:00 PM - 10:00 PM	48.0	64.5	44.0
10:00 PM - 11:00 PM	45.9	64.4	41.2
11:00 PM - 12:00 AM	46.4	66.1	40.5
12:00 AM - 01:00 AM	44.5	64.5	39.1
01:00 AM - 02:00 AM	42.3	61.0	36.7
02:00 AM - 03:00 AM	41.8	63.6	36.0
03:00 AM - 04:00 AM	40.7	64.3	36.4
04:00 AM - 05:00 AM	40.8	57.4	36.9
05:00 AM - 06:00 AM	44.3	61.9	39.2
06:00 AM - 07:00 AM	50.2	69.5	44.0
07:00 AM - 08:00 AM	61.2	84.5	48.6
08:00 AM - 09:00 AM	66.4	84.9	56.9
09:00 AM - 10:00 AM	67.6	89.2	58.1
10:00 AM - 11:00 AM	68.5	84.0	58.0
11:00 AM - 12:00 PM	60.6	79.4	45.3
Leq Average 24 hrs. (dB(A))	62.8		
Lmax (dB(A))		89.2	
L90 (dB(A))			44.9
Ldn (dB(A))	63.1		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Chonticha Subongkoch
Scientist (3)

Approved by [redacted]
Supot Salamten
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456452-1

Sample Number 2589683-6
Parameter Noise (Leq 24 hrs.)
Location โรงเรียนวัดมาบตาพุด (โสภณเราษฎร์บูรณะ) (GPS 47P 0735353, 1406703)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	48.5	65.7	42.8
01:00 PM - 02:00 PM	48.5	70.5	43.0
02:00 PM - 03:00 PM	47.1	67.4	42.5
03:00 PM - 04:00 PM	48.8	75.2	44.6
04:00 PM - 05:00 PM	50.2	71.4	45.5
05:00 PM - 06:00 PM	56.0	75.7	45.5
06:00 PM - 07:00 PM	52.0	71.3	43.7
07:00 PM - 08:00 PM	56.0	75.6	44.0
08:00 PM - 09:00 PM	56.0	74.0	44.3
09:00 PM - 10:00 PM	52.9	69.9	41.4
10:00 PM - 11:00 PM	50.7	69.9	38.8
11:00 PM - 12:00 AM	44.3	66.1	37.2
12:00 AM - 01:00 AM	43.1	63.6	37.2
01:00 AM - 02:00 AM	41.0	59.6	35.7
02:00 AM - 03:00 AM	41.7	63.7	35.6
03:00 AM - 04:00 AM	40.4	56.0	36.3
04:00 AM - 05:00 AM	40.9	58.0	36.5
05:00 AM - 06:00 AM	49.6	65.8	40.6
06:00 AM - 07:00 AM	59.4	80.6	49.8
07:00 AM - 08:00 AM	67.6	89.2	58.1
08:00 AM - 09:00 AM	68.4	86.5	51.7
09:00 AM - 10:00 AM	55.4	74.3	50.9
10:00 AM - 11:00 AM	64.0	83.7	53.2
11:00 AM - 12:00 PM	67.2	86.6	58.1
Leq Average 24 hrs. (dB(A))	60.0		
Lmax (dB(A))		89.2	
L90 (dB(A))			43.0
Ldn (dB(A))	61.6		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456453-1

Sample Number 2589683-7
Parameter Noise (Leq 24 hrs.)
Location โรงเรียนวัดมาบตาพุด (โสภณราษฎร์บูรณะ) (GPS 47P 0735353, 1406703)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623396

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	63.9	81.5	56.0
01:00 PM - 02:00 PM	66.2	91.8	56.5
02:00 PM - 03:00 PM	64.1	84.3	56.6
03:00 PM - 04:00 PM	64.1	83.4	53.5
04:00 PM - 05:00 PM	62.6	83.1	54.2
05:00 PM - 06:00 PM	64.5	79.7	56.6
06:00 PM - 07:00 PM	53.8	76.1	45.6
07:00 PM - 08:00 PM	53.4	73.1	44.4
08:00 PM - 09:00 PM	47.6	69.1	42.7
09:00 PM - 10:00 PM	45.1	67.9	40.3
10:00 PM - 11:00 PM	45.4	66.4	39.1
11:00 PM - 12:00 AM	45.2	66.6	37.7
12:00 AM - 01:00 AM	45.5	60.5	36.4
01:00 AM - 02:00 AM	40.5	59.1	37.0
02:00 AM - 03:00 AM	40.3	55.1	37.4
03:00 AM - 04:00 AM	40.1	56.1	37.3
04:00 AM - 05:00 AM	41.2	59.9	37.2
05:00 AM - 06:00 AM	48.8	71.1	41.0
06:00 AM - 07:00 AM	58.3	74.1	49.8
07:00 AM - 08:00 AM	66.2	91.8	56.5
08:00 AM - 09:00 AM	68.3	84.7	54.4
09:00 AM - 10:00 AM	62.8	79.4	52.2
10:00 AM - 11:00 AM	68.1	88.6	56.2
11:00 AM - 12:00 PM	68.8	81.7	65.7
Leq Average 24 hrs. (dB(A))	62.7		
Lmax (dB(A))		91.8	
L90 (dB(A))			45.6
Ldn (dB(A))	63.4		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Chonticha Subongkoch
Scientist (3)

Approved by [redacted]
Supot Salamten
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456454-1

Sample Number 2589683-8
Parameter Noise (Leq 24 hrs.)
Location บ้านเมืองใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date Nov 11 - Nov 12, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.0	72.8	44.3
01:00 PM - 02:00 PM	60.7	80.5	43.1
02:00 PM - 03:00 PM	48.1	62.9	45.7
03:00 PM - 04:00 PM	47.0	58.8	45.7
04:00 PM - 05:00 PM	48.8	60.0	47.1
05:00 PM - 06:00 PM	53.4	70.8	49.1
06:00 PM - 07:00 PM	57.8	73.3	52.9
07:00 PM - 08:00 PM	56.2	64.3	54.2
08:00 PM - 09:00 PM	54.2	59.4	52.0
09:00 PM - 10:00 PM	52.3	65.3	51.2
10:00 PM - 11:00 PM	52.7	58.8	51.2
11:00 PM - 12:00 AM	53.4	60.6	52.1
12:00 AM - 01:00 AM	52.5	56.0	51.6
01:00 AM - 02:00 AM	53.3	65.1	52.5
02:00 AM - 03:00 AM	53.0	60.8	52.0
03:00 AM - 04:00 AM	53.6	66.0	51.8
04:00 AM - 05:00 AM	52.5	71.9	51.1
05:00 AM - 06:00 AM	52.1	74.4	49.4
06:00 AM - 07:00 AM	49.1	67.7	47.1
07:00 AM - 08:00 AM	48.0	65.9	44.8
08:00 AM - 09:00 AM	46.7	65.8	42.6
09:00 AM - 10:00 AM	48.1	68.4	43.2
10:00 AM - 11:00 AM	53.3	84.7	47.1
11:00 AM - 12:00 PM	50.8	67.3	43.5
Leq Average 24 hrs. (dB(A))	53.4		
Lmax (dB(A))		84.7	
L90 (dB(A))			49.1
Ldn (dB(A))	59.2		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456455-1

Sample Number	2589683-9
Parameter	Noise (Leq 24 hrs.)
Location	บ้านเนินใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date	Nov 12 - Nov 13, 2025
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.2	64.6	42.7
01:00 PM - 02:00 PM	45.3	56.5	43.2
02:00 PM - 03:00 PM	44.8	54.5	41.7
03:00 PM - 04:00 PM	45.7	66.5	42.9
04:00 PM - 05:00 PM	47.2	73.4	44.0
05:00 PM - 06:00 PM	50.7	77.0	46.9
06:00 PM - 07:00 PM	58.2	74.0	50.2
07:00 PM - 08:00 PM	53.7	66.4	48.7
08:00 PM - 09:00 PM	56.4	64.9	48.5
09:00 PM - 10:00 PM	58.4	65.2	51.7
10:00 PM - 11:00 PM	52.6	63.1	51.4
11:00 PM - 12:00 AM	52.4	61.6	51.5
12:00 AM - 01:00 AM	52.6	61.4	51.0
01:00 AM - 02:00 AM	51.3	54.7	49.9
02:00 AM - 03:00 AM	51.9	59.2	50.8
03:00 AM - 04:00 AM	51.1	57.0	49.9
04:00 AM - 05:00 AM	55.1	60.4	50.6
05:00 AM - 06:00 AM	51.0	68.2	49.6
06:00 AM - 07:00 AM	50.6	75.7	47.6
07:00 AM - 08:00 AM	48.8	75.4	44.9
08:00 AM - 09:00 AM	45.9	58.4	41.3
09:00 AM - 10:00 AM	47.9	66.7	39.6
10:00 AM - 11:00 AM	50.7	78.3	47.1
11:00 AM - 12:00 PM	48.7	69.0	42.5
Leq Average 24 hrs. (dB(A))	52.4		
Lmax (dB(A))		78.3	
L90 (dB(A))			47.6
Ldn (dB(A))	58.7		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Chonticha Subongkoch
Scientist (3)

Approved by [redacted]
Supot Salamten
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456456-1

Sample Number	2589683-10
Parameter	Noise (Leq 24 hrs.)
Location	บ้านเนินใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date	Nov 13 - Nov 14, 2025
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.3	62.2	44.0
01:00 PM - 02:00 PM	47.3	70.0	45.1
02:00 PM - 03:00 PM	47.5	64.4	45.8
03:00 PM - 04:00 PM	54.7	79.9	46.5
04:00 PM - 05:00 PM	61.2	82.1	50.2
05:00 PM - 06:00 PM	51.4	69.8	48.8
06:00 PM - 07:00 PM	55.5	65.9	48.5
07:00 PM - 08:00 PM	51.2	64.6	47.9
08:00 PM - 09:00 PM	55.4	72.7	47.9
09:00 PM - 10:00 PM	50.2	62.1	48.3
10:00 PM - 11:00 PM	50.2	59.8	48.4
11:00 PM - 12:00 AM	49.3	62.6	48.2
12:00 AM - 01:00 AM	53.9	61.1	48.0
01:00 AM - 02:00 AM	53.3	68.1	49.4
02:00 AM - 03:00 AM	50.9	68.6	49.3
03:00 AM - 04:00 AM	50.6	65.2	49.0
04:00 AM - 05:00 AM	49.8	59.2	48.9
05:00 AM - 06:00 AM	50.0	65.7	48.8
06:00 AM - 07:00 AM	50.4	66.8	49.0
07:00 AM - 08:00 AM	48.4	62.1	45.0
08:00 AM - 09:00 AM	46.8	74.0	44.2
09:00 AM - 10:00 AM	50.4	74.7	42.4
10:00 AM - 11:00 AM	46.0	69.8	40.6
11:00 AM - 12:00 PM	42.9	60.9	39.8
Leq Average 24 hrs. (dB(A))	52.6		
Lmax (dB(A))		82.1	
L90 (dB(A))			48.2
Ldn (dB(A))	58.0		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456457-1

Sample Number	2589683-11
Parameter	Noise (Leq 24 hrs.)
Location	บ้านเนินใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date	Nov 14 - Nov 15, 2025
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.4	59.4	39.8
01:00 PM - 02:00 PM	42.8	63.2	39.5
02:00 PM - 03:00 PM	44.7	62.5	42.4
03:00 PM - 04:00 PM	46.3	71.6	44.0
04:00 PM - 05:00 PM	47.6	65.1	45.5
05:00 PM - 06:00 PM	47.2	66.5	44.2
06:00 PM - 07:00 PM	56.5	69.6	47.7
07:00 PM - 08:00 PM	52.7	64.6	46.1
08:00 PM - 09:00 PM	49.2	59.6	47.6
09:00 PM - 10:00 PM	49.8	67.1	47.8
10:00 PM - 11:00 PM	49.9	63.7	48.6
11:00 PM - 12:00 AM	49.6	60.7	48.6
12:00 AM - 01:00 AM	49.4	61.1	48.2
01:00 AM - 02:00 AM	50.9	59.5	49.8
02:00 AM - 03:00 AM	49.5	58.5	48.0
03:00 AM - 04:00 AM	48.5	55.0	47.6
04:00 AM - 05:00 AM	48.5	61.0	47.4
05:00 AM - 06:00 AM	49.8	66.2	47.9
06:00 AM - 07:00 AM	51.0	72.6	48.6
07:00 AM - 08:00 AM	48.6	63.1	46.0
08:00 AM - 09:00 AM	49.3	66.0	45.6
09:00 AM - 10:00 AM	47.3	59.5	43.4
10:00 AM - 11:00 AM	44.5	62.4	41.0
11:00 AM - 12:00 PM	45.1	63.3	41.5
Leq Average 24 hrs. (dB(A))	49.5		
Lmax (dB(A))		72.6	
L90 (dB(A))			46.1
Ldn (dB(A))	56.1		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Chonticha Subongkoch
Scientist (3)

Approved by [redacted]
Supot Salamten
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456458-1

Sample Number	2589683-12
Parameter	Noise (Leq 24 hrs.)
Location	บ้านเนินใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date	Nov 15 - Nov 16, 2025
Measurement by	Sawai Tonpho
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.3	65.7	40.9
01:00 PM - 02:00 PM	43.9	59.8	40.1
02:00 PM - 03:00 PM	45.0	70.2	40.8
03:00 PM - 04:00 PM	44.5	61.8	41.2
04:00 PM - 05:00 PM	46.2	70.1	42.6
05:00 PM - 06:00 PM	47.7	67.8	44.0
06:00 PM - 07:00 PM	54.2	67.5	47.0
07:00 PM - 08:00 PM	51.2	65.5	47.9
08:00 PM - 09:00 PM	50.2	60.4	49.0
09:00 PM - 10:00 PM	50.7	67.9	49.3
10:00 PM - 11:00 PM	51.8	59.7	49.4
11:00 PM - 12:00 AM	51.4	61.0	49.3
12:00 AM - 01:00 AM	50.6	60.4	49.0
01:00 AM - 02:00 AM	50.4	67.6	49.7
02:00 AM - 03:00 AM	51.0	57.7	50.3
03:00 AM - 04:00 AM	50.3	55.6	49.7
04:00 AM - 05:00 AM	50.1	59.8	49.2
05:00 AM - 06:00 AM	50.6	66.8	49.1
06:00 AM - 07:00 AM	50.2	66.5	48.6
07:00 AM - 08:00 AM	49.2	69.0	46.7
08:00 AM - 09:00 AM	47.2	68.4	44.3
09:00 AM - 10:00 AM	44.7	57.2	42.1
10:00 AM - 11:00 AM	44.5	60.0	41.7
11:00 AM - 12:00 PM	45.7	67.9	41.3
Leq Average 24 hrs. (dB(A))	49.5		
Lmax (dB(A))		70.2	
L90 (dB(A))			47.0
Ldn (dB(A))	56.9		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

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8207-81/ EMAIL
S:\Reports_Air Noise.rpt (3:20PM)

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456459-1

Sample Number 2589683-13
Parameter Noise (Leq 24 hrs.)
Location บ้านเนินใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date Nov 16 - Nov 17, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.6	72.3	39.6
01:00 PM - 02:00 PM	42.1	62.5	39.0
02:00 PM - 03:00 PM	43.8	72.1	40.0
03:00 PM - 04:00 PM	45.6	65.6	42.1
04:00 PM - 05:00 PM	47.5	64.2	43.7
05:00 PM - 06:00 PM	48.8	66.4	45.1
06:00 PM - 07:00 PM	51.8	65.3	45.9
07:00 PM - 08:00 PM	49.1	63.0	45.6
08:00 PM - 09:00 PM	51.9	76.1	46.5
09:00 PM - 10:00 PM	51.2	61.9	45.2
10:00 PM - 11:00 PM	48.9	63.3	46.4
11:00 PM - 12:00 AM	49.6	62.3	48.1
12:00 AM - 01:00 AM	51.2	56.0	50.0
01:00 AM - 02:00 AM	49.7	55.0	48.5
02:00 AM - 03:00 AM	52.8	63.9	48.0
03:00 AM - 04:00 AM	49.5	56.9	48.1
04:00 AM - 05:00 AM	49.4	64.5	48.3
05:00 AM - 06:00 AM	50.6	66.4	49.2
06:00 AM - 07:00 AM	50.9	70.4	48.6
07:00 AM - 08:00 AM	49.7	73.9	43.7
08:00 AM - 09:00 AM	45.3	66.3	41.3
09:00 AM - 10:00 AM	43.2	64.6	39.7
10:00 AM - 11:00 AM	42.8	65.7	39.6
11:00 AM - 12:00 PM	45.2	78.8	40.1
Leq Average 24 hrs. (dB(A))	49.1		
Lmax (dB(A))		78.8	
L90 (dB(A))			45.2
Ldn (dB(A))	56.6		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : TPE Site 3

Lot ID: 2589683
Date Received : Nov 18, 2025
Date Reported : Nov 21, 2025
Report Number: 3456460-1

Sample Number 2589683-14
Parameter Noise (Leq 24 hrs.)
Location บ้านเนินใหม่มาบตาพุด (GPS 47P 0734651, 1406341)
Measurement Date Nov 17 - Nov 18, 2025
Measurement by Sawai Tonpho
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.1	62.3	39.6
01:00 PM - 02:00 PM	42.7	58.7	39.5
02:00 PM - 03:00 PM	47.6	72.0	41.2
03:00 PM - 04:00 PM	46.8	66.7	43.9
04:00 PM - 05:00 PM	48.7	71.1	44.4
05:00 PM - 06:00 PM	48.3	70.8	45.4
06:00 PM - 07:00 PM	53.4	65.8	49.0
07:00 PM - 08:00 PM	51.3	63.4	50.2
08:00 PM - 09:00 PM	50.4	61.5	49.4
09:00 PM - 10:00 PM	50.4	56.7	49.7
10:00 PM - 11:00 PM	51.3	71.3	49.9
11:00 PM - 12:00 AM	51.1	59.3	50.5
12:00 AM - 01:00 AM	51.0	56.1	50.2
01:00 AM - 02:00 AM	51.6	58.9	50.5
02:00 AM - 03:00 AM	52.9	64.5	51.7
03:00 AM - 04:00 AM	52.2	58.9	51.4
04:00 AM - 05:00 AM	52.2	63.8	50.9
05:00 AM - 06:00 AM	51.8	67.3	50.3
06:00 AM - 07:00 AM	54.9	88.6	49.5
07:00 AM - 08:00 AM	49.1	70.6	45.5
08:00 AM - 09:00 AM	45.2	62.4	42.6
09:00 AM - 10:00 AM	43.3	63.0	40.9
10:00 AM - 11:00 AM	44.2	63.3	41.5
11:00 AM - 12:00 PM	49.1	63.0	45.6
Leq Average 24 hrs. (dB(A))	50.4		
Lmax (dB(A))		88.6	
L90 (dB(A))			49.0
Ldn (dB(A))	58.3		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ระดับเสียงที่ลูกจ้างได้รับเฉลี่ยตลอดเวลาการทำงานในแต่ละวัน

(Time Weighted Average-TWA)

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 25107669
Date Received : Nov 27, 2025
Date Reported : Dec 03, 2025
Report Number : 3457596-1

Sample Number 25107669-1
Sampled Date Nov 26, 2025
Sample Description Noise Dose
Location HDPE 2 Section 3200
Personal Sampling คุณเยศกร สูงเจริญ
Date Analysis Commenced Nov 28, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	12.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	11.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	74.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM 08:00 PM	dB(A)			75.7	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)
Sampled By : Nattakarn Vonginyoo

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Supot Salamten
Section Head

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589694
Date Received : Nov 24, 2025
Date Reported : Nov 26, 2025
Report Number : 3412757-1

Sample Number 2589694-1
Sampled Date Nov 21, 2025
Sample Description Noise Dose
Location HDPE 2 Section 3400
Personal Sampling คุณวรินทร์ รินน้อย
Date Analysis Commenced Nov 24, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	12.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	11.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	73.9	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM 08:00 PM	dB(A)			75.6	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by [redacted]
Section Head

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ระดับเสียงเฉลี่ยตลอดเวลาการทำงาน

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589688
Date Received : Nov 24, 2025
Date Reported : Nov 26, 2025
Report Number: 3459142-1

Sample Number	2589688-1
Parameter	Noise (Leq 12 hrs.)
Location	บริเวณ Hexane Recovery Unit
Measurement Date	Nov 21, 2025
Measurement by	Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:36 AM - 09:36 AM	65.1	74.6	64.4
09:36 AM - 10:36 AM	64.7	82.7	63.9
10:36 AM - 11:36 AM	64.5	77.1	63.9
11:36 AM - 12:36 PM	64.8	69.6	64.2
12:36 PM - 01:36 PM	64.8	69.5	64.1
01:36 PM - 02:36 PM	65.2	70.0	64.7
02:36 PM - 03:36 PM	65.0	69.8	64.4
03:36 PM - 04:36 PM	64.9	69.6	64.2
04:36 PM - 05:36 PM	65.0	69.6	64.3
05:36 PM - 06:36 PM	64.9	82.9	64.1
06:36 PM - 07:36 PM	64.7	77.3	64.1
07:36 PM - 08:36 PM	65.0	69.8	64.4
Leq Average 12 hrs. (dB(A))	64.9		
Lmax (dB(A))		82.9	
Standard (dB(A))	87	140	

Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management [redacted]
Thanita Kulsuriwong
Scientist (4)

Approved by [redacted]
Supot Salamten
Section Head

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589688
Date Received : Nov 24, 2025
Date Reported : Nov 26, 2025
Report Number: 3459143-1

Sample Number	2589688-2
Parameter	Noise (Leq 12 hrs.)
Location	บริเวณ Pelletizer
Measurement Date	Nov 21, 2025
Measurement by	Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:26 AM - 09:26 AM	64.1	85.8	57.7
09:26 AM - 10:26 AM	64.6	86.3	58.2
10:26 AM - 11:26 AM	58.6	74.6	57.9
11:26 AM - 12:26 PM	58.5	63.6	57.9
12:26 PM - 01:26 PM	59.5	74.1	58.7
01:26 PM - 02:26 PM	63.7	83.5	59.0
02:26 PM - 03:26 PM	63.6	77.3	59.0
03:26 PM - 04:26 PM	62.1	77.4	58.9
04:26 PM - 05:26 PM	59.1	75.1	58.4
05:26 PM - 06:26 PM	59.0	64.1	58.4
06:26 PM - 07:26 PM	60.0	74.6	59.2
07:26 PM - 08:26 PM	59.5	74.1	58.7
Leq Average 12 hrs. (dB(A))	61.6		
Lmax (dB(A))		86.3	
Standard (dB(A))	87	140	

Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management [redacted]
Thanita Kulsuriwong
Scientist (4)

Approved by [redacted]
Section Head

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589688
Date Received : Nov 24, 2025
Date Reported : Nov 26, 2025
Report Number: 3459144-1

Sample Number	2589688-3
Parameter	Noise (Leq 12 hrs.)
Location	บริเวณ Compressor
Measurement Date	Nov 21, 2025
Measurement by	Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:31 AM - 09:31 AM	61.0	67.0	59.4
09:31 AM - 10:31 AM	60.4	65.2	59.4
10:31 AM - 11:31 AM	59.8	65.1	58.9
11:31 AM - 12:31 PM	59.8	63.4	58.8
12:31 PM - 01:31 PM	61.2	64.8	60.5
01:31 PM - 02:31 PM	61.6	66.9	61.0
02:31 PM - 03:31 PM	61.9	64.1	61.4
03:31 PM - 04:31 PM	61.8	63.5	61.3
04:31 PM - 05:31 PM	61.9	65.5	61.2
05:31 PM - 06:31 PM	61.8	67.1	61.2
06:31 PM - 07:31 PM	62.1	64.3	61.6
07:31 PM - 08:31 PM	62.0	63.7	61.5
Leq Average 12 hrs. (dB(A))	61.3		
Lmax (dB(A))		67.1	
Standard (dB(A))	87	140	

Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management [redacted]
Thanita Kulsuriwong
Scientist (4)

Approved by [redacted]
Supot Salamten
Section Head

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589688
Date Received : Nov 24, 2025
Date Reported : Nov 26, 2025
Report Number: 3459145-1

Sample Number	2589688-4
Parameter	Noise (Leq 12 hrs.)
Location	บริเวณ Reactor
Measurement Date	Nov 21, 2025
Measurement by	Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:34 AM - 09:34 AM	63.3	69.3	61.7
09:34 AM - 10:34 AM	62.7	67.5	61.7
10:34 AM - 11:34 AM	62.1	67.4	61.2
11:34 AM - 12:34 PM	62.1	65.7	61.1
12:34 PM - 01:34 PM	63.5	67.1	62.8
01:34 PM - 02:34 PM	63.9	69.2	63.3
02:34 PM - 03:34 PM	64.2	66.4	63.7
03:34 PM - 04:34 PM	64.1	65.8	63.6
04:34 PM - 05:34 PM	64.2	67.8	63.5
05:34 PM - 06:34 PM	64.1	69.4	63.5
06:34 PM - 07:34 PM	64.4	66.6	63.9
07:34 PM - 08:34 PM	64.3	66.0	63.8
Leq Average 12 hrs. (dB(A))	63.6		
Lmax (dB(A))		69.4	
Standard (dB(A))	87	140	

Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management [redacted]
Scientist (4)

Approved by [redacted]
Section Head

แผนผังแสดงระดับเสียง (Noise Contour Map)

Noise Contour Map

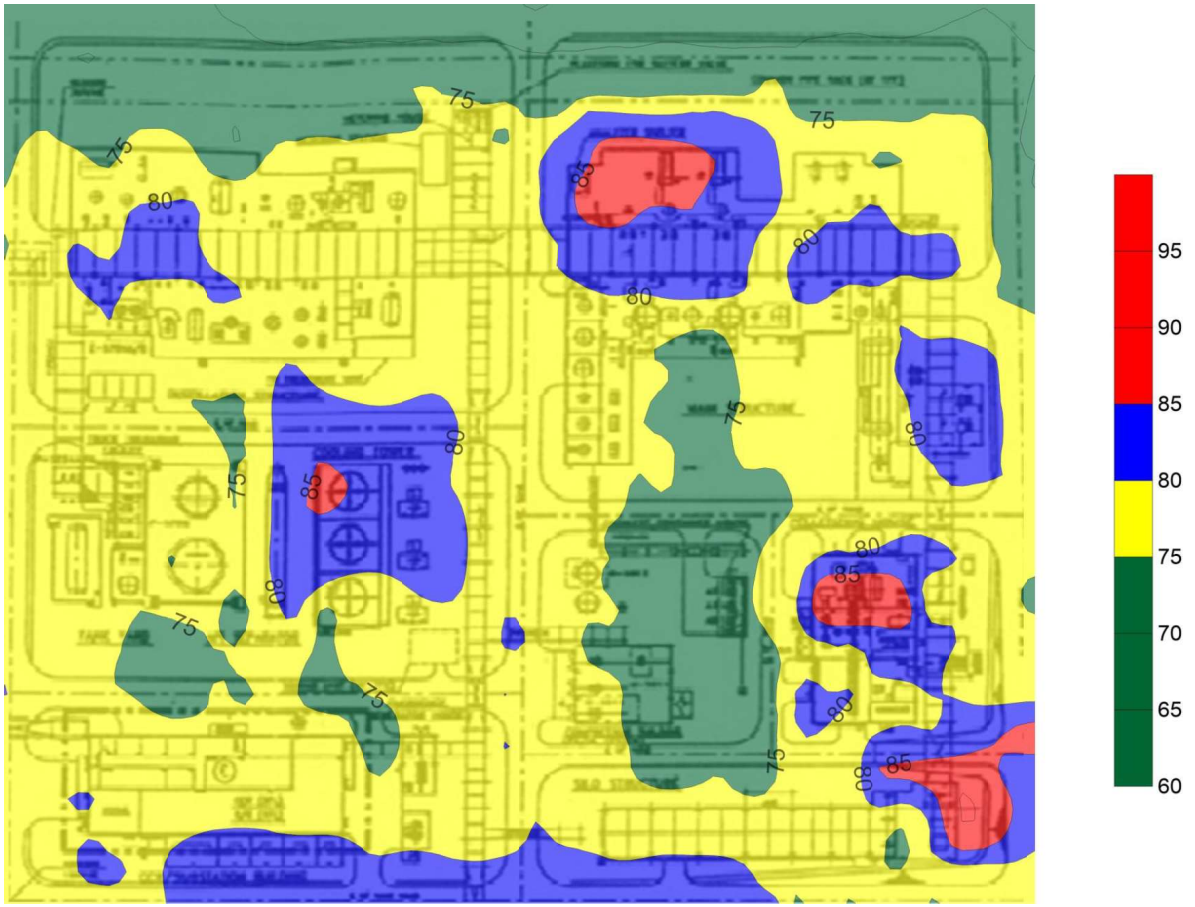
Thai Polyethylene Co., Ltd.

โครงการโรงงานผลิตเม็ดพลาสติกโพลีเอททีลีน ชนิดความหนาแน่นสูง โรงงานที่ 2 (HDPE 2)

บริเวณพื้นที่กระบวนการผลิต (HDPE 2)

Reference Number : Lot 2459763-1

Measurement Date : Jul 23, 2024



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Noise Contour Map

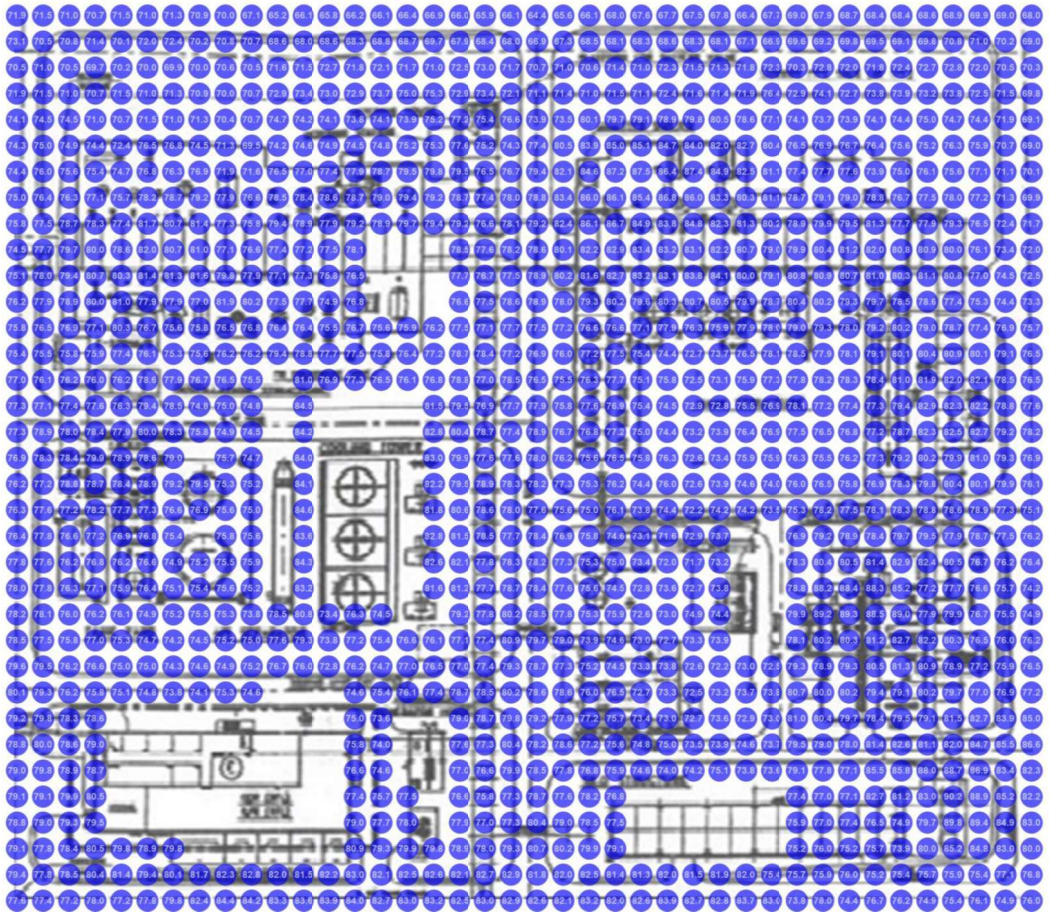
Thai Polyethylene Co., Ltd.

โครงการโรงงานผลิตเม็ดพลาสติกโพลีเอททีลีน ชนิดความหนาแน่นสูง โรงงานที่ 2 (HDPE 2)

บริเวณพื้นที่กระบวนการผลิต (HDPE 2)

Reference Number : Lot 2459763-1

Measurement Date : Jul 23, 2024



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คุณภาพอากาศภายในสถานประกอบการ

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Chcek_
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2563108
Date Received : Aug 14, 2025
Date Reported : Aug 26, 2025
Report Number : 3348946-1

Sample Number	2563108-1
Sampled Date	Aug 13, 2025
Sample Description	Air Quality
Location	บริเวณ Hexane Recovery Unit
Date Analysis Commenced	Aug 15, 2025
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	758 mmHg
Atmospheric Temperature	29.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Hexane *	09:00 AM - 11:00 AM	ppm	-	0.03	0.12	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Nattakarn Vonginyoo

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by [redacted]
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : Chcek_
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2563108
Date Received : Aug 14, 2025
Date Reported : Aug 26, 2025
Report Number : 3348946-1

Sample Number	2563108-2
Sampled Date	Aug 13, 2025
Sample Description	Air Quality
Location	บริเวณ Preheater
Date Analysis Commenced	Aug 18, 2025
Condition of Sample	Drawn into one 10-L air sampling bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	29.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1-Butene *	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
1-Hexene *	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	50	Based on ASTM, D2712-18	ACGIH	Bangkok
Ethylene *	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok

Guideline :
ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2025).
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Nattakarn Vonginyoo

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by [redacted]
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589692
Date Received : Nov 24, 2025
Date Reported : Dec 04, 2025
Report Number : 3412754-1

Sample Number	2589692-1
Sampled Date	Nov 21, 2025
Sample Description	Air Quality
Location	บริเวณ Hexane Recovery Unit
Date Analysis Commenced	Nov 25, 2025
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	758 mmHg
Atmospheric Temperature	23.9 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Hexane *	09:15 AM - 11:15 AM	ppm	-	0.03	0.91	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Amnat Wongsakhen

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by [redacted]
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2589692
Date Received : Nov 24, 2025
Date Reported : Dec 04, 2025
Report Number : 3412754-1

Sample Number	2589692-2
Sampled Date	Nov 21, 2025
Sample Description	Air Quality
Location	บริเวณ Preheater
Date Analysis Commenced	Nov 25, 2025
Condition of Sample	Drawn into one 10-L air sampling bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	23.9 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1-Butene *	09:20 AM - 11:20 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
1-Hexene *	09:20 AM - 11:20 AM	ppm	-	1.0	<1.0	50	Based on ASTM, D2712-18	ACGIH	Bangkok
Ethylene *	09:20 AM - 11:20 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok

Guideline :
ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2025).
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Amnat Wongsakhen

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by [redacted]
Scientist (4)

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ระดับความร้อนในบริเวณการทำงาน

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2521181
Date Received : May 08, 2025
Date Reported : May 14, 2025
Report Number: 3248612-1

Sample Number 2521181-1
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 AM)
Measurement Date May 07, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	28.5	27.0	31.9	31.6
Average (WBGT)		28.5			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
%Humidity = 63.0 %, Heat Index= 37.0 C

Technical Management [redacted]
Section Head

Approved by [redacted]
Assistant Manager

Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2521181
Date Received : May 08, 2025
Date Reported : May 14, 2025
Report Number: 3248612-1

Sample Number 2521181-2
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 AM)
Measurement Date May 07, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Vaporizer	120	28.5	27.0	31.9	31.7
Average (WBGT)		28.5			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
%Humidity = 63.0 %, Heat Index= 37.0 C

Technical Management [redacted]
Section Head

Approved by [redacted]
Assistant Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : HDPE2

Lot ID: 2521181
Date Received : May 08, 2025
Date Reported : May 14, 2025
Report Number: 3248612-1

Sample Number 2521181-3
Parameter Heat Stress (Sampling Time : 09.00 AM - 11.00 AM)
Measurement Date May 07, 2025
Measurement by Amnat Wongsakhen
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pre-heater	120	29.0	27.5	32.5	32.3
Average (WBGT)		29.0			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
%Humidity = 63.0 %, Heat Index= 39.0 C

Technical Management [redacted]
Supot Salamteh
Section Head

Approved by [redacted]
Assistant Manager

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